

AGENDA

THE COMMISSIONERS OF PUBLIC WORKS OF THE CITY OF SPARTANBURG, S.C. Meeting Place: 200 Commerce Street

REGULAR MEETING

**Tuesday, June 29, 2021, 3:00 p.m.
(or immediately following SSSD meeting)**

This is a regular meeting of The Commissioners of Public Works of the City of Spartanburg, S.C. Written notice of the date, time, and place for this meeting, along with the agenda, has been posted in the lobby and on the Spartanburg Water website, and copies have been forwarded to local and nearby news media (including Spartanburg Herald-Journal, The Spartan Weekly, Greenville News, The Greer Citizen, Hometown News, WSPA-TV 7, WYFF-TV 4, WLOS-TV 13, WHNS Fox Carolina, WORD News Radio, WOLT-FM Radio, Tribune Times, and the Times Examiner) at least 24 hours prior to this meeting.

- 1. APPROVAL OF MINUTES OF REGULAR MEETING OF MAY 25, 2021**
- 2. MONTHLY FINANCIAL REPORT**

Cam Cole will present a financial summary of SWS expenditures and revenues for the eleven-month period ending May 31, 2021.

- 3. WATER TREATMENT CHEMICALS BID**

An online reverse auction event was held on May 11, 2021, in order to obtain pricing for water treatment chemicals for the Spartanburg Water System water treatment facilities. Thirteen vendors participated in the event. The pricing submitted is for the contract term July 1, 2021-June 30, 2022. The results of the event are tabulated below.

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	Aluminum Sulfate	Fluosilicic Acid 23%	Hexametaphosphate	Sodium Thiosulfate 30%	Powdered Activated Carbon Hydro Darko B	Sulfuric Acid 78%	Ferric Chloride Liquid	Aluminum Chlorohydrate Liquid	Polymer Liquid	Poly Aluminum Chloride Delpac	Solar Salt	Residuals Polymer	Liquid Chlorine	Caustic Solution 50%	Sodium Polyphosphate Solution	
Estimated Annual Qty	2400 Tons	142 Ton	60 Tons	4800 gals.	300,000 lbs	140,000 lbs	360,000 lbs.	176,000 lbs.	55,000 lbs.	27,000 lbs.	1,000,000 lbs.	10,000 lbs.	3,450 lbs.	15,000 lbs.	275 gallons	
Unit of Measure	Ton	Ton	Ton	Gallon	Pound	Pound	Pound	Pound	Pound	Pound	Pound	Pound	Pound	Pound	Gallon	
Shannon Chemical Corp			\$2,250.500													
Polydyne Inc.									\$1.094							
Chemtrade Chemicals	\$319.390															
C&S Chemicals	\$320.000															
Aqua Smart, Inc.															\$15.230	
Southern States Chemical						\$0.122										
Pencco Inc		\$415.000														
CFS Enterprises Inc.					\$0.907											
Univar Solutions USA		\$414.990		\$2.850						\$0.640	\$0.106					
Chemrite, Inc.			\$2,017.000													
Brenntag Mid-South							\$0.109	\$0.361					\$0.620	\$0.286		
Carus			\$2,017.500													
Atlenco												\$1.100				

Management recommends awards to the lowest responsive bidders for those products indicated on the bid tabulation summary.

Funding will be provided through the annual operating fund.

4. BID FOR COLLECTION AND DISTRIBUTION COMPLEX FENCE PURCHASE AND INSTALLATION

Bids were received on May 27, 2021 for the purchase and installation of 420 linear feet of fencing located at the Collection and Distribution Complex (C&D). The fence is replacing Leyland Cypress trees that were initially planted and utilized for privacy and as a sound barrier between the C&D Complex and the adjacent neighbors. The trees are being affected by natural occurring issues that have compromised the aesthetics and health of the trees. This has caused an opening exposing the residential area, power lines right of way, and C&D complex. The new fence will be a more permanent solution, have less maintenance and be more visually appealing to both customers and neighbors.

Invitations to bid were forwarded to prospective bidders and publicized in the local media. A tabulation of the responses is below.

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<u>BIDDER</u>	<u>AMOUNT OF BID</u>
Newman Fence Company Roebuck, SC	\$49,560
Seegars Fence Company Spartanburg, SC	NO BID
Bagwell Fence Company Spartanburg, SC	NO BID

Based on the results of the bid evaluations, management recommends the approval of an award to Newman Fence for a total cost in the amount of \$49,560.

Funding will be split equally between SSSD and SWS capital funds.

5. PROPOSAL FOR LOX STORAGE TANK AND VAPORIZATION INSTALL

Bids were received on May 27, 2021, for the lease of two 13,000 gallon liquid oxygen (LOX) above ground tanks, vaporization installation, and supplies to support operations at the R.B. Simms Water Treatment facility.

In 2020, construction began on a facilities improvements project to our R.B. Simms facility which will include a new Peroxone System that will require LOX and additional equipment for an advanced oxidation treatment process. Installation of two tanks will begin on November 1, 2021, with a completion date of November 12, 2021. The contract will be for three years with an option to renew for two additional years.

A Request for Proposal was released on April 30, 2021. The solicitation drew one acceptable response from our current liquid oxygen supplier, Messer, LLS. The proposal was reviewed and agreed upon by a three member evaluation committee. A tabulation of the responses is listed below.

<u>BIDDER</u>	<u>AMOUNT OF BID</u>
Messer, LLC Aiken, SC	\$86,900.00 (one-time installation fee) \$241,824 (annual refills/tank lease)

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Linde Norcross, GA	NO BID
Airgas Atlanta, GA	NO BID
Air Products Conyers, GA	NO BID
Praxair Conyers, GA	NO BID

Based on the results of the response and the committee review, management recommend approval of an award to Messer, LLC for the LOX supply for the new Peroxone System at a cost of \$812,372 for the initial three-year term. This Agreement is being funded through operational funds.

6. WATER QUALITY REPORT

Management will provide an update on water quality.

7. REPORT ON DRINKING WATER RESERVOIRS

Management will provide an update on activities with the drinking water reservoirs.

8. PROCUREMENT POLICY REVISION

Supply chain disruptions continue to increase each year. Conditions that contribute to challenges in the global supply chain include the reduced number of suppliers in certain markets, weather events, cybersecurity attacks, challenges with infrastructure, and extreme shifts in the demand of goods. The assurance of goods and services is of utmost importance to the treatment and distribution of drinking water.

The addition of Supply Chain Resiliency to the Spartanburg Water System's Procurement Policy creates a framework for the Spartanburg Water System to be proactive and prepared to manage supply chain issues. A focus will be placed on factors such as critical need, risk, supplier continuity plans,

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geographical location(s), multi-vendor redundancy, and inventory capacity. Supply Chain Resiliency will assist in the award of purchases in order to avoid supply chain disruptions and/or react as necessary to best recover from a disruption.

The Supply Chain Resiliency section would read as follows:

SECTION 27. SUPPLY CHAIN RESILIENCY

Supply Chain Resiliency

Supply chain resiliency is the ability to navigate unexpected supply chain disruptions with existing programs and capabilities. The Spartanburg Water System recognizes that availability of products and services is critical to the treatment and distribution of drinking water. The Spartanburg Water System supports the effort to create a reliable and effective supply chain.

Management recommends adding Section 27 to the Spartanburg Water System's Procurement Policy in an effort to support supply chain resiliency.

9. VARIANCE REQUEST – 1221 EDWARDS ROAD – LAKE BOWEN

The adjoining property owner's permit application for the installation of a boat lift was denied by watershed staff due to the requirement associated with the 14 feet minimum set back requirement from a side lot line. The property owner is requesting a variance of the Standard Specifications of the Lake Bowen Policies and Procedures for a marine structure regarding the 14 feet minimum set back requirement.

The property owner requested a permit to install a boat lift adjacent to the north-side their existing dock. The existing dock currently extends past the 14 feet minimum set back requirement from the adjoining side lot line as the line is projected into the Reservoir. Placement of a boat lift on the north-side of the existing dock would extend the marine structure an additional 12 feet beyond the imaginary extended property line.

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The property owner participated in the Press Pause Program and was issued a license to maintain ownership of an existing wooden deck that is located on SWS property near the shoreline. This wooden deck/sitting area is located on the south-side of the existing dock. The reason given for the request to place the boat lift on the north-side of the dock in lieu of the south-side of the dock is safety and maintaining an unobstructed view of swimmers in the water from the sitting area. Placement of a boat lift on the south-side would completely block the line-of-sight.

The Lake Bowen Policies and Procedures state: “Permitted structures must be placed so that all portions of the structure are at least 14 feet from adjoining side lot lines as those lines project out into the Reservoir. Exact placement of structures will be determined by SWS”.

Staff has confirmed there is adequate distance between the adjoining property owner’s existing dock and the closest marine structure. The placement of a boat lift adjacent to the north-side of the existing dock would not impede access, create a safety concern, or have a negative impact on water quality.

Staff has evaluated the site, confirmed the property owner’s safety concern, and have no objections to the variance as described above.

10. VARIANCE REQUEST – 446 TANGLERIDGE DRIVE – LAKE BOWEN

The adjoining property owner’s permit application for the replacement of the existing 12 feet x 18 feet dock with a 24 feet x 28 feet dock was denied by watershed staff due to the requirement associated with the 14 feet minimum set back requirement from a side lot line. The property owner is requesting a variance of the Standard Specifications of the Lake Bowen Policies and Procedures for a marine structure regarding the 14 feet minimum set back requirement.

The property owner requested a permit to replace an existing wooden 12 feet x 18 feet dock with a 24 feet x 28 feet aluminum dock with a boat slip. The existing dock currently extends past the 14 feet minimum set back requirement from the adjoining side lot line as the line is projected into the Reservoir.

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Placement of the existing dock was determined by SWS staff at the time of construction and the location selected was based on the steep grade of the adjoining property. Requiring the property owner to relocate the existing dock to eliminate the encroachment would be damaging to the buffer because the connecting hard pathway would need to be relocated as well to realign with the new location.

Placement of the new dock as designed/requested would improve, not eliminate, the existing encroachment by allowing watercraft to enter the boat slip from the opposite side away from the encroachment area.

The Lake Bowen Policies and Procedures state: “Permitted structures must be placed so that all portions of the structure are at least 14 feet from adjoining side lot lines as those lines project out into the Reservoir. Exact placement of structures will be determined by SWS”.

Staff has confirmed there is adequate distance between the adjoining property owner’s existing dock and the closest marine structure. The replacement of the existing dock would not impede access, create a safety concern or have a negative impact on water quality.

Staff has evaluated the site and have no objections to the variance as described above.

11. VARIANCE REQUEST – 231 COGGINS SHORE ROAD – LAKE BOWEN

The adjoining property owner’s permit application to enlarge an existing dock was denied by watershed staff due to the requirement associated with the 14 feet minimum set back requirement from a side lot line. The property owner is requesting a variance of the Standard Specifications of the Lake Bowen Policies and Procedures for a marine structure regarding the 14 feet minimum set back requirement.

The property owner requested a permit to install a stationary extension adjacent to their existing dock walkway to allow easier/safer access to an existing permitted boat lift. Installation of the extension would create an encroachment by placing the structure within 14 feet of the minimum set back requirement.

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Requiring the property owner to relocate the existing dock to eliminate the potential encroachment would be damaging to the buffer because the connecting hard pathway would need to be relocated as well to realign with the new location.

The Lake Bowen Policies and Procedures state: “Permitted structures must be placed so that all portions of the structure are at least 14 feet from adjoining side lot lines as those lines project out into the Reservoir. Exact placement of structures will be determined by SWS”.

Staff has confirmed there is adequate distance between the adjoining property owner’s existing dock and the closest marine structure to allow for the extension. The installation of the extension to the existing dock would not impede access, create a safety concern or have a negative impact on water quality.

Staff has evaluated the site and have no objections to the variance as described above.

12. VARIANCE REQUEST – 680 BROWN ARROW CIRCLE – LAKE BOWEN

The adjoining property owner’s permit application for the replacement of a boat lift was denied by the watershed staff due to the requirement associated with the presence of multiple (2) marine structures. The property owner is requesting a variance of the Standard Specifications of the Lake Bowen Policies and Procedures for a marine structure regarding the single marine structure requirement.

The property owner requested a permit to replace an existing, permitted boat lift adjacent to their permitted stationary dock walkway. There are currently two existing marine structures permitted to the property owner: a floating dock and a stationary walkway with boat lifts located on either side. Adjacent property owners are currently only permitted a single marine structure, which consists of a dock and any associated boat lifts or PWC lifts.

The property owner obtained permits for each dock and boat lift prior to any written limit on marine structures (2016, 2017). The boat lift in question was damaged in a storm beyond the point of basic repair and/or

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maintenance. The property owner requested the variance on the grounds that he would otherwise have to consolidate his existing permitted docks and lifts in order to replace the broken boat lift. The replacement lift would be the same size and in the same location as the existing lift.

The current Lake Bowen Policies and Procedures state: “Contiguous Landowners may only have one (1) marine structure for each qualifying parcel they own. Any permitted structure may only have a single tie to the shoreline and may not be configured in a manner so as to exceed 100 sq. feet.”

The Lake Bowen Policies and Procedures also state that: “No non-conforming structure may be rebuilt or replaced without prior written permission from SWS. Although replacement of an existing non-conforming structure may be permitted, such permits may contain conditions, modifications or restrictions as to the location, design and use so as to make the resulting replacement structure more compatible with current policies and procedures.”

When a property owner has two or more marine structures, the above stipulations require the property owner to consolidate separate marine structures into one marine structure with a single tie-in to the shoreline.

Staff has confirmed that there is adequate distance between the adjoining property owner’s existing marine structures and that the replacement boat lift as requested would fill the exact footprint of the damaged boat lift. The area of the existing marine structures is approximately 960 square feet and remains within the 1000 square foot maximum. Replacement of the existing boat lift as requested would not negatively impact water quality, impede access, or create a safety concern.

Staff has evaluated the site have no objections to the variance as described above.

13. VARIANCE REQUEST – 349 SHOREVIEW DRIVE – LAKE BLALOCK

The adjoining property owner’s permit application for the replacement of the existing 12 feet x 18 feet dock with a 24 feet x 28 feet dock was denied by watershed staff due to the requirement associated with the 14 feet minimum set back requirement from a side lot line. The property owner is requesting a

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variance of the Standard Specifications of the Lake H. Taylor Blalock Policies and Procedures for a marine structure regarding the 14 feet minimum set back requirement.

The property owner requested a permit to replace an existing 12 feet x 18 feet wooden dock with a 24 feet x 28 feet aluminum dock with a boat slip. The existing dock currently extends past the 14 feet minimum set back requirement from the adjoining side lot line as the line is projected into the Reservoir.

Placement of the existing dock was determined by SWS staff at the time of construction. The adjoining property is located within a small cove and the location/placement of the dock was based on the shape of lot to ensure that boat traffic or other adjoining property owners' access would not be impeded. Requiring the property owner to relocate the existing dock to eliminate the encroachment would be damaging to the buffer. The connecting hard pathway would need to be relocated as well to realign with the new location.

The Lake H. Taylor Blalock Policies and Procedures state: "Contiguous Landowners adjacent to a cove who request a marine structure permit will be evaluated on a case-by-case basis. No marine structure may extend beyond one-third the width of a cove and configured so that it is a minimum of 14 feet from the adjoining parcels projected side lot lines".

Staff has confirmed there is adequate distance between the adjoining property owner's existing dock and the closest marine structure. The replacement of the existing dock would not impede access, create a safety concern or have a negative impact on water quality.

Staff has evaluated the site and have no objections to the variance as described above.

14. VAUGHN CREEK PUMP STATION INTAKE STRUCTURE IMPROVEMENTS PROJECT – SUMMARY CHANGE ORDER

The Vaughn Creek Pump Station Intake Structure Improvements Project is complete. The Vaughn Creek Pump Station supplies approximately 90% of the raw water required by the Landrum DWTF. The design of the existing

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pump station intake structure was such that, during severe rain events, the intake screen was often quickly clogged with debris (leaves and other vegetation) that was being washed into Vaughn Creek. To insure that the pump station remained operational during severe rain events, a water plant operator was often dispatched to manually clean the screen of accumulated debris. The current project, completed by Greenstone Construction, included the design and installation of an “air-burst” system. A new intake screen was installed in the creek, along with an air compressor, storage tank, and associated lines, valves and control PLC. Now, as debris accumulates on the intake screen, the system periodically releases a large volume of compressed air into the interior of the screen. This action automatically dislodges the debris and cleans the screen.

Change order No. 1 - was an increase in the contract price of \$17,165 to pay for improvements necessary to bring the pump station (originally constructed in 1952) into compliance with current National Electric Code regulations.

Change order No. 2 - was an increase in the contract price of \$1,200 to pay for additional electrical hardware installation necessary to facilitate remote air-burst activation by the plant operators and for a spare, pre-programmed PLC, that was requested by the Spartanburg Water IT.

These change orders were executed as per current District policy.

The financial summary of the project construction is as follows:

Original Contract Price -	\$146,895
Change Order No.1-	\$ 17,165
Change Order No.2 -	<u>\$ 1,200</u>
Revised Contract Price	\$165,260

The above is provided as information to the Commission.

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15. AGREEMENTS EXECUTED BY THE CHIEF EXECUTIVE OFFICER ON BEHALF OF THE COMMISSION

The following agreements have been executed on behalf of the Commission by the Chief Executive Officer in accordance with the resolution adopted by the Commission on March 28, 1989.

A. Outside City Private Fire Service Agreements

(1) Landrum Farmers' Market

Landrum Farmers' Market located at 221 West Rutherford Street in Landrum, wishes to connect a 6-inch water line to the Commission's 8-inch water line along West Rutherford Street to serve a private fire protection system, including one fire hydrant, for the above-mentioned market. The City of Landrum wishes to enter into an agreement for this service.

Annual Stand-by Revenue - \$446.32

B. Outside City Water Main Extension Agreements

(1) N. Blackstock Subdivision

N. Blackstock Subdivision, LLC is developing N. Blackstock Subdivision located on the westside of Spartanburg. This development will consist of 89 residential lots, approximately 3,205 linear feet of 6-inch water main, and 561 linear feet of 4-inch water main. The developer will bear all costs.

C. Lake Agreements

Applications have been submitted and all fees have been paid on the following Lake Agreements, associated with new construction and replacement.

(1) Allison L. Braswell, desires to replace a dock on Lake Bowen.

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- (2) **Mark Burgess**, desires to construct a dock, boat lift, and hard pathway on Lake Blalock.
- (3) **Johnny Richard Cannon**, desires to construct a personal watercraft lift on Lake Bowen.
- (4) **A. Timothy Cash**, desires to replace a dock on Lake Bowen.
- (5) **Daniel J. and Sandra H. Codespoti**, desire to replace a dock on Lake Blalock.
- (6) **Alexander and Susan M. Hopps**, desire to construct a boat lift on Lake Bowen.
- (7) **Don L. Lester and Janet F. Lester**, desire to replace a dock on Lake Bowen.
- (8) **C. Evan McDowell, Jr.**, desires to replace a dock at Lake Bowen.
- (9) **Cathy E. McGhee**, desires to construct a dock and hard pathway on Lake Blalock.
- (10) **Kenneth J. Newman**, desires to stabilize the shoreline on Lake Bowen.
- (11) **Jacque K. and Tamra Fairchild-Varty**, desire to stabilize the shoreline on Lake Bowen.
- (12) **David L. and Diane M. Walsh**, desire to replace a dock on Lake Bowen.
- (13) **Zhong Wu and Sou Lam**, desire to construct a boat lift and replace a dock on Lake Bowen.

Applications have been submitted and all fees have been paid on the following Lake Agreements, associated with acknowledgement of ownership.

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- (1) **Luck II, LLC**, dock replacement and shoreline stabilization on Lake Bowen.
- (2) **Carla D. Kimbrell**, dock replacement and shoreline stabilization on Lake Bowen.
- (3) **Zhong Wu and Sou Lam**, shoreline stabilization on Lake Bowen.

D. Encroachment Agreements

All paperwork, surveys, etc., have been completed and the encroachment agreement has been recorded.

- (1) Dan and Wanda Hargett, dwelling encroachment on Lake Bowen.

The above is provided as information to the Commission.

16. NEGOTIATIONS AND MISCELLANEOUS ADMINISTRATIVE MATTERS